AMENDMENTS TO THE CLAIMS

1. **(Original)** A method for the separation and purification of fibrinogen and at least one other protein which comprises the steps of:

(a) loading a solution comprising fibrinogen and at least one other protein onto an immobilised metal ion affinity chromatography matrix under conditions such that the fibrinogen and the at least one other protein both bind to the matrix, and

(b) selectively eluting the fibrinogen and the at least one other protein separately from the matrix.

2. **(Currently amended)** ~~A~~ The method according to claim 1 wherein the at least one other protein is plasminogen.

3. **(Original)** A method for the separation of fibrinogen from plasminogen comprising the steps of:

(a) loading a solution comprising fibrinogen and plasminogen onto an immobilised metal ion affinity chromatography matrix under conditions such that at least the fibrinogen binds to the matrix, and

(b) selectively eluting the fibrinogen from the matrix.

4. **(Currently amended)** ~~A~~ The method according to claim 3, wherein the plasminogen and the fibrinogen are selectively eluted separately from the matrix.

5. **(Currently amended)** ~~A~~ The method according to ~~any preceding~~ claim 1 or 3, wherein the solution comprising fibrinogen is a fibrinogen-containing plasma fraction.

6. **(Currently amended)** ~~A~~ The method according to ~~any preceding~~ claim 1 or 3, wherein the solution comprising fibrinogen further comprises factor XIII, and the factor XIII is co-eluted with the fibrinogen from the matrix.

7. **(Original)** A method for the co-purification of fibrinogen and factor XIII which comprises the steps of:

(a) loading a solution comprising fibrinogen and factor XIII onto an immobilised metal ion affinity chromatography matrix under conditions such that the fibrinogen and the factor XIII both bind to the matrix, and

(b) selectively co-eluting the fibrinogen and the factor XIII from the matrix.

8. **Canceled**

9. **Canceled**

10. **Canceled**

11. **(Currently amended)** Fibrinogen prepared by a method according to any of claims 1, 3 or ~~to~~ 7.

12. **Canceled**

13. **(Currently amended)** A pharmaceutical kit comprising fibrinogen of Claim 11 ~~prepared by a method according to any of claims 1 to 7~~, together with thrombin.

14. **(Currently amended)** ~~A~~ The kit as claimed in claim 13 ~~12~~, wherein the thrombin is prepared by a method comprising the steps of:

(a) solvent-detergent virus ~~inactivation~~ inactivating of a solution comprising prothrombin and factor X;

(b) loading the product of step (a) onto an anion exchange medium;

(c) washing the anion exchange medium to remove ~~the~~ reagents used for the solvent-detergent virus inactivation in step (a); and

(d) activating the prothrombin on the anion exchange medium to form thrombin by ~~the~~ addition of calcium ions~~; and optionally~~

~~(e) selectively eluting the thrombin from the anion exchange medium~~.

15. **Canceled.**

16. **(Currently amended)** A lyophilised fibrinogen formulation comprising fibrinogen of Claim 11 ~~prepared by a method according to any of claims 1 to 7~~, factor XIII, a carbohydrate, an amino acid, a salt, a buffer and a detergent, the formulation being capable of dissolution in water at ambient temperature in less than 15 minutes~~, preferably less than 10 minutes and more preferably less than 5 minutes~~ to give a fibrinogen solution.

17. **(Currently amended)** ~~A~~ The formulation according to claim 16, wherein the concentration of the fibrinogen solution is at least about 60 mg/ml.

18. **(Currently amended)** ~~A~~ The formulation according to claim 16 ~~or claim 17~~, which is heat treated to inactivate viruses.

19. **(Currently amended)** ~~A~~ The formulation according to ~~any one of claims~~ claim 16 ~~to 18~~, which is free from anti-fibrinolytic agents.

20. **(Currently amended)** ~~A~~ The formulation according to ~~any one of claims~~ claim 16 ~~to 19~~, which is free from stabilising proteins such as albumin.

21. **(New)** The kit of Claim 14, wherein the method of preparing thrombin additionally comprises:

(e) selectively eluting the thrombin from the anion exchange medium.

22. **(New)** The lyophilised fibrinogen formulation of Claim 16, wherein the formulation being capable of dissolution in water at ambient temperature in less than 10 minutes to give a fibrinogen solution.

23. **(New)** The lyophilised fibrinogen formulation of Claim 16, wherein the formulation being capable of dissolution in water at ambient temperature in less than 5 minutes to give a fibrinogen solution.